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RAW SEQUENCE LISTING DATE: 02/07/2002
PATENT APPLICATION: US/10/051,852
TIME: 19:22:15

Input Set : N:\Crf3\RULE60\10051852.txt
Output Set: N:\CRF3\02072002\J051852.raw

SEQUENCE LISTING

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3 (1) GENERAL INFORMATION:
                                                               ENTERED
             (i) APPLICANT: Blackburn, Michael
                            Church, William
      6
      7
                            Gross, Mitchell
      8
                            Feuerstein, Giora
      9
                            Nichols, Andrew
                            Padlan, Eduardo
     10
                            Patel, Arunbhai
     11
     12
                            Sylvester, Daniel
            (ii) TITLE OF INVENTION: ANTICOAGULANT AGENTS USEFUL IN TREATMENT
     14
                                      OF THROMBOSIS
     15
           (iii) NUMBER OF SEQUENCES: 111
     17
            (iv) CORRESPONDENCE ADDRESS:
     19
                  (A) ADDRESSEE: SmithKline Beecham Corporation
     20
                  (B) STREET: 709 Swedeland Road
     21
                  (C) CITY: King of Prussia
     22
                  (D) STATE: PA
     23
                  (E) COUNTRY: USA
     24
     25
                  (F) ZIP: 19406
             (V) COMPUTER READABLE FORM:
     27
                  (A) MEDIUM TYPE: Diskette
     28
                  (B) COMPUTER: IBM Compatible
     29
                  (C) OPERATING SYSTEM: DOS
     30
                  (D) SOFTWARE: FastSEQ Version 1.5
     31
     33
            (vi) CURRENT APPLICATION DATA:
                  (A) APPLICATION NUMBER: US/10/051,852
C-->34
                  (B) FILING DATE: 17-Jan-2002
C--> 35
     36
                  (C) CLASSIFICATION:
           (vii) PRIOR APPLICATION DATA:
     38
                  (A) APPLICATION NUMBER: 09/344,050
     39
                  (B) FILING DATE: 25-JUN-1999
     40
                  (A) APPLICATION NUMBER: 08/783,853
     41
                  (B) FILING DATE: 16-JAN-1997
     42
          (viii) ATTORNEY/AGENT INFORMATION:
     46
     47
                  (A) NAME: Baumeister, Kirk
                  (B) REGISTRATION NUMBER: 33,833
     49
                  (C) REFERENCE/DOCKET NUMBER: P50438
     51
            (ix) TELECOMMUNICATION INFORMATION:
                  (A) TELEPHONE: 610-270-5096
     52
     53
                  (B) TELEFAX:
                  (C) TELEX:
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57 (2) INFORMATION FOR SEQ ID NO: 1:

DATE: 02/07/2002

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TIME: 19:22:15
                     PATENT APPLICATION: US/10/051,852
                      Input Set : N:\Crf3\RULE60\10051852.txt
                      Output Set: N:\CRF3\02072002\J051852.raw
             (i) SEQUENCE CHARACTERISTICS:
     59
                  (A) LENGTH: 20 base pairs
     60
                  (B) TYPE: nucleic acid
     61
                  (C) STRANDEDNESS: single
     62
                  (D) TOPOLOGY: linear
     63
            (ii) MOLECULE TYPE: cDNA
     65
           (iii) HYPOTHETICAL: NO
     66
C--> 67
            (iv) ANTI-SENSE: NO
             (V) FRAGMENT TYPE:
W--> 68
     69
            (vi) ORIGINAL SOURCE:
            (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
     71
                                                                                  20
     73
         CATCCTAGAG TCACCGAGGA
     75 (2) INFORMATION FOR SEQ ID NO: 2:
             (i) SEQUENCE CHARACTERISTICS:
     78
                  (A) LENGTH: 21 base pairs
                  (B) TYPE: nucleic acid
     79
     80
                  (C) STRANDEDNESS: single
     81
                  (D) TOPOLOGY: linear
            (ii) MOLECULE TYPE: cDNA
     83
           (iii) HYPOTHETICAL: NO
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C--> 85
            (iv) ANTI-SENSE: NO
             (V) FRAGMENT TYPE:
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            (vi) ORIGINAL SOURCE:
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            (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
                                                                                  21
        AGCTGCCCAA AGTGCCCAAG C
     93 (2) INFORMATION FOR SEQ ID NO: 3:
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     95
     96
                  (A) LENGTH: 36 base pairs
                  (B) TYPE: nucleic acid
     97
                  (C) STRANDEDNESS: single
     98
                  (D) TOPOLOGY: linear
     99
             (ii) MOLECULE TYPE: cDNA
     102
            (iii) HYPOTHETICAL: NO
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             (iv) ANTI-SENSE: NO
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W--> 104
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             (vi) ORIGINAL SOURCE:
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     107
                                                                                   36
          CTAACACTCA TTCCTGTTGA AGCTCTTGAC AATGGG
     109
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                    (A) LENGTH: 21 base pairs
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                    (B) TYPE: nucleic acid
     115
                    (C) STRANDEDNESS: single
     116
                    (D) TOPOLOGY: linear
     117
             (ii) MOLECULE TYPE: cDNA
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            (iii) HYPOTHETICAL: NO
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             (iv) ANTI-SENSE: NO
C--> 121
             (V) FRAGMENT TYPE:
W--> 122
     123
             (vi) ORIGINAL SOURCE:
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RAW SEQUENCE LISTING

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          GATTTTCARG TGCAGATTTT C
                                                                                   21
     127
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                   (A) LENGTH: 363 base pairs
                   (B) TYPE: nucleic acid
     133
     134
                   (C) STRANDEDNESS: single
                   (D) TOPOLOGY: linear
     135
             (ii) MOLECULE TYPE: cDNA
     137
     138
            (iii) HYPOTHETICAL: NO
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             (iv) ANTI-SENSE: NO
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             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
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          CAGATCCAGT TGGTGCAGTC TGGACCTGAG CTGAAGAAGC CTGGAGAGAC AGTCAAGATC
                                                                                   60
     145
          TCCTGCAAGG CTTCTGGGTA CACCTTCACA AACTATGGAA TGAACTGGGT GAAGCAGGCT
                                                                                  120
     146
                                                                                  180
          CCAGGAAAGG GTTTAAAGTG GATGGGCTGG ATAAACACCA GAAATGGAAA GTCAACATAT
     147
          GTTGATGACT TCAAGGGACG GTTTGCCTTC TCTTTGGAAA GCTCTGCCAG CACTGCCAAT
                                                                                  240
     148
          TTGCAGATCG ACAACCTCAA AGATGAGGAC ACGGCTACAT ATTTCTGTAC AAGAGAAGGG
                                                                                  300
     149
          AATATGGATG GTTACTTCCC TTTTACTTAC TGGGGCCAAG GGACTCTGGT CACTGTCTCT
                                                                                  360
                                                                                  363
     151 GCA
     153 (2) INFORMATION FOR SEQ ID NO: 6:
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     156
     157
                   (B) TYPE: nucleic acid
     158
                   (C) STRANDEDNESS: single
                   (D) TOPOLOGY: linear
     159
     161
             (ii) MOLECULE TYPE: cDNA
            (iii) HYPOTHETICAL: NO
     162
C--> 163
             (iv) ANTI-SENSE: NO
W--> 164
              (V) FRAGMENT TYPE:
             (vi) ORIGINAL SOURCE:
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             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
     167
          CAAATTGTTC TCTCCCAGTC TCCAGCAATC CTGTCTGCAT CTCCAGGGGA GAAGGTCACA
                                                                                   60
     169
                                                                                  120
          ATGACTTGCA GGGCCAGCTC AAGTGTAAAT TACATGCACT GGTACCAGCA GAAGCCAGGA
                                                                                  180
          TCCTCCCCA AACCCTGGAT TTATGCCACA TCCAACCTGG CTTCTGGAGT CCCTGCTCGC
          TTCAGTGGCA GTGGGTCTGG GACCTCTTAC TCTCTCACAA TCAGCAGAGT GGAGGCTGAA
                                                                                  240
     172
          GATGCTGCCA CTTATTACTG CCAGCAGTGG AGTATTAACC CACGGACGTT CGGTGGAGGC
                                                                                  300
     173
                                                                                  321
          ACCAAGCTGG AAATCAAACG G
     176 (2) INFORMATION FOR SEQ ID NO: 7:
     178
              (i) SEQUENCE CHARACTERISTICS:
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                   (A) LENGTH: 121 amino acids
     180
                   (B) TYPE: amino acid
     181
                   (C) STRANDEDNESS: single
     182
                   (D) TOPOLOGY: linear
     184
             (ii) MOLECULE TYPE: peptide
     185
            (iii) HYPOTHETICAL: NO
C--> 186
             (iv) ANTI-SENSE: NO
     187
              (v) FRAGMENT TYPE: internal
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(vi) ORIGINAL SOURCE:
     188
     190
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
          Gln Ile Gln Leu Val Gln Ser Gly Pro Glu Leu Lys Lys Pro Gly Glu
     192
     193
                                               10
                            5
          Thr Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
     194
     195
                      20
                                           25
          Gly Met Asn Trp Val Lys Gln Ala Pro Gly Lys Gly Leu Lys Trp Met
     196
     197
          Gly Trp Ile Asn Thr Arg Asn Gly Lys Ser Thr Tyr Val Asp Asp Phe
     198
     199
     200
          Lys Gly Arg Phe Ala Phe Ser Leu Glu Ser Ser Ala Ser Thr Ala Asn
     201
                                                    75
                               70
          Leu Gln Ile Asp Asn Leu Lys Asp Glu Asp Thr Ala Thr Tyr Phe Cys
     202
     203
          Thr Arg Glu Gly Asn Met Asp Gly Tyr Phe Pro Phe Thr Tyr Trp Gly
     204
                                           105
     205
                      100
          Gln Gly Thr Leu Val Thr Val Ser Ala
     206
     207
                  115
     209 (2) INFORMATION FOR SEQ ID NO: 8:
              (i) SEQUENCE CHARACTERISTICS:
                   (A) LENGTH: 5 amino acids
     212
                   (B) TYPE: amino acid
     213
                   (C) STRANDEDNESS: single
     214
     215
                   (D) TOPOLOGY: linear
     217
             (ii) MOLECULE TYPE: peptide
     218
            (iii) HYPOTHETICAL: NO
C--> 219
             (iv) ANTI-SENSE: NO
     220
              (v) FRAGMENT TYPE: internal
             (vi) ORIGINAL SOURCE:
     221
     223
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
     225
          Asn Tyr Gly Met Asn
     226
           1
     228 (2) INFORMATION FOR SEQ ID NO: 9:
              (i) SEQUENCE CHARACTERISTICS:
     231
                   (A) LENGTH: 17 amino acids
     232
                   (B) TYPE: amino acid
     233
                   (C) STRANDEDNESS: single
     234
                   (D) TOPOLOGY: linear
     236
             (ii) MOLECULE TYPE: peptide
     237
            (iii) HYPOTHETICAL: NO
C--> 238
             (iv) ANTI-SENSE: NO
     239
              (v) FRAGMENT TYPE: internal
     240
             (vi) ORIGINAL SOURCE:
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
     242
          Trp Ile Asn Thr Arg Asn Gly Lys Ser Thr Tyr Val Asp Asp Phe Lys
     244
     245
          1
                                               10
     246 Gly
     249 (2) INFORMATION FOR SEQ ID NO: 10:
              (i) SEQUENCE CHARACTERISTICS:
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Input Set : N:\Crf3\RULE60\10051852.txt Output Set: N:\CRF3\02072002\J051852.raw (A) LENGTH: 12 amino acids 252 (B) TYPE: amino acid 253 254 (C) STRANDEDNESS: single 255 (D) TOPOLOGY: linear (ii) MOLECULE TYPE: peptide 257 258 (iii) HYPOTHETICAL: NO C--> 259 (iv) ANTI-SENSE: NO (v) FRAGMENT TYPE: internal 260 (vi) ORIGINAL SOURCE: 261 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10: 263 Glu Gly Asn Met Asp Gly Tyr Phe Pro Phe Thr Tyr 265 5 10 266 268 (2) INFORMATION FOR SEQ ID NO: 11: (i) SEQUENCE CHARACTERISTICS: 270 (A) LENGTH: 107 amino acids 271 (B) TYPE: amino acid 272 273 (C) STRANDEDNESS: single 274 (D) TOPOLOGY: linear 276 (ii) MOLECULE TYPE: peptide 277 (iii) HYPOTHETICAL: NO C--> 278 (iv) ANTI-SENSE: NO (v) FRAGMENT TYPE: internal 279 (vi) ORIGINAL SOURCE: 280 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11: 282 Gln Ile Val Leu Ser Gln Ser Pro Ala Ile Leu Ser Ala Ser Pro Gly 284 1.0 285 5 Glu Lys Val Thr Met Thr Cys Arg Ala Ser Ser Ser Val Asn Tyr Met 286 25 287 20 His Trp Tyr Gln Gln Lys Pro Gly Ser Ser Pro Lys Pro Trp Ile Tyr 288 289 35 40 Ala Thr Ser Asn Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser 290 291 55 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Arg Val Glu Ala Glu 292 293 70 75 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp Ser Ile Asn Pro Arg Thr 294 295 85 Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg 296 297 100 299 (2) INFORMATION FOR SEQ ID NO: 12: (i) SEQUENCE CHARACTERISTICS: 301 302 (A) LENGTH: 10 amino acids 303 (B) TYPE: amino acid (C) STRANDEDNESS: single 304 305 (D) TOPOLOGY: linear 307 (ii) MOLECULE TYPE: peptide 308 (iii) HYPOTHETICAL: NO C--> 309 (iv) ANTI-SENSE: NO 310 (v) FRAGMENT TYPE: internal 311 (vi) ORIGINAL SOURCE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/051,852

VERIFICATION SUMMARY DATE: 02/07/2002 PATENT APPLICATION: US/10/051,852 TIME: 19:22:16

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L:3 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]
L:34 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:35 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:67 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:68 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=1
L:85 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:86 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=2
L:103 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
L:104 M:246 W: Invalid value of Alpha Sequence Header Field, [FRAGMENT TYPE:], SeqNo=3
L:121 M:220 C: Keyword misspelled or invalid format, [(iv) ANTI-SENSE:]
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/051,852

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